

FLOORCRETE

MF standard

Medium duty, self-levelling, seamless polyurethane concrete flooring system, excellent mechanical and chemical resistance, high thermal shock resistance, odourless, solvent free

Application Fields

Food & beverage production facilities

Dry or moderate wet processing zones

Warehouse & distribution centres

Foodstuff preparation

Dairy production

Chemical industry

Textile industry

Production

SYSTEM BUILD UP



SYSTEM HIGHLIGHTS

3.0 – 6.0 mm System thickness



HACCP International certified



High chemical resistance



Low emission acc. AgBB and other standards



Easy to clean



Low flammable Bfl-s1



High thermal shock resistance



Slight Slip Resistant R9



Low odor



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Application and Consumption

Layer	Product	Consumption (kg/m ²)	Sand broadcasting (kg/m ²)	Thickness (mm)	Application
PU-concrete, self-levelling	FLOORCRETE PU-MF	ca. 1.9 per mm	none	2.0 – 5.0	Pin rake or notched trowel, spike roller
Levelling layer	FLOORCRETE PU-SC	ca. 1.68 per mm	none	1.0 – 2.0	Squeegee, trowel
Primer	FLOORCRETE PU-SC or others	ca. 0.8 – 1.0	Optional: QS (0.3-0.8 mm) ca. 0.5 – 0.8	ca. 0.5	Rubber squeegee, roller
Substrate	Cementitious substrates according to the appropriate standards and approvals must be capable of bearing loads and be free of cracks and voids. Pull-off strength ≥ 1.5 N/mm ² . FLOORCRETE can be laid on 7-day old concrete (this to a residual moisture content of approx. 6-8% (CM)) or on 2 - 3 days old polymer-modified cement screed. For permanent rising water, please contact our technical service. Substrates with moisture from the backside special measures must be taken or a damp proof membrane must be installed. Substrate preparation e.g. grinding or shot blasting, sweeping and vacuum-cleaning is mandatory. Consumptions are calculated with FLOORFINDER quartz sands and fillers. Usage of other quartz sands and fillers can cause changes of consumption and technical data.				
Note	Detailed application instructions are available upon request or refer to the technical product data sheet.				

Technical Data



Property	Standard	Result
Slip resistance	TRRL pendulum slip test DIN 51130	dry > 70, wet > 21 R9
Shore hardness	EN ISO 868	D 80 after 28 d
Impact resistance	EN 13813	≥ 4 Nm (IR4)
Temperature resistance		- 5 °C - + 70°C (3-4 mm) -10°C - + 90°C (5-6 mm)
Coefficient of thermal expansion	ASTM C531	$5.8 \times 10^{-5}/^{\circ}\text{C}$
Anti-microbial	Japanese Industrial Standard JIS Z 2810:2000	After 60 wash cycles 99.9% microbial growth reduction
Low emission	ISO 16000-3, 6, 9 and EN 16516	fulfilled
Wear resistance (Taber)	EN ISO 5470-1	≤ 25 mg
Compressive strength	EN 196 / ASTM C109	ca. 50 N/mm ²
Flexural strength	EN 196 / ASTM C109	ca. 20 N/mm ²
Tensile strength	EN 196 / ASTM C109	ca. 10 N/mm ²
Adhesive strength	EN ISO 4624	min. 1.5 N/mm ² (depending on substrate quality)
Fire behaviour	EN 13501-1	B _{f1} -s1

Remark: for further information please refer to the product data sheets or contact our technical service. All data are approximate values. Therefore, no liability claims can be derived from the system data sheet. As all FLOORFINDER data sheets are updated on a regular basis it is the user's responsibility to obtain the most recent issue (see www.floorfinder.com.my or contact us directly)– all technical information is subject to change without prior notice. FLOORFINDER products are guaranteed against defective material and manufacture and are sold subject to its standard Terms and Conditions of Sale, copies which can be obtained on request.

Distributor:

Goodspeed America Inc., 24624 Interstate 45 North, Suite 200 • Spring, Texas 77386, U.S.A. | bstorey@goodspeed-america.com | www.goodspeed-america.com

Manufacturer:

FLOORFINDER ASIA SDN. BHD. – A division of VIACOR VISION AG, SWITZERLAND | No. 28, Lorong Sungai Puloh 1A/KU6 | Jalan Sungai Puloh | Batu 5 3/4 Kapar | 42100 Klang | Selangor Darul Ehsan | Malaysia | Tel: +603 3290 7644 | info@floorfinderasia.com | www.floorfinderasia.com